## WHAT IS CLAIMED IS:

- 1. A hyaluronic acid modification product in which hyaluronic acid and/or a pharmaceutically acceptable salt thereof is bound to a block polymer selected from polyethylene oxide-polypropylene oxide-polyethylene oxide block polymer, polypropylene oxide-polyethylene oxide-polypropylene oxide block polymer, polyethylene oxide-polylactic acid/polyglycolic acid copolymer-polyethylene oxide block polymer, polylactic acid/polyglycolic acid copolymer-polyethylene oxide-polylactic acid/polyglycolic acid copolymer, polyethylene oxide-polylactic acid-polyethylene oxide block polymer and polylactic acid-polyethylene oxide-polylactic acid block polymer.
  - 2. The hyaluronic acid modification product according to claim 1, wherein said block polymer is a polyethylene oxide-polypropylene oxide-polyethylene oxide block polymer or a polypropylene oxide-polyethylene oxide-polypropylene oxide block polymer.
- 3. The hyaluronic acid modification product according to claim 1 or 2, wherein the most part of said block polymer is bound to said hyaluronic acid and/or a pharmaceutically acceptable salt thereof at only one of its two ends.
- 4. The hyaluronic acid modification product according to claim 1 or 2, wherein said block polymer is bound to said hyaluronic acid and/or a pharmaceutically acceptable salt thereof at only one of its two ends.
- 5. The hyaluronic acid modification product according to any one of claims 1 to 4, wherein said block polymer is bound to the carboxyl group of said hyaluronic acid and/or a pharmaceutically acceptable salt thereof.
- 6. The hyaluronic acid modification product according to any one of claims 1 to 5, wherein the phase transition temperature of said hyaluronic acid modification product in physiological saline and/or phosphate physiological saline is in the range from 20°C to 35°C when the concentration of said hyaluronic acid modification product is 10.0% w/v or less.
- 7. The hyaluronic acid modification product according to any one of claims 1 to 6, wherein the weight average molecular weight of said block polymer is 1200 daltons or more.

- 8. The hyaluronic acid modification product according to any one of claims 1 to 7, wherein the ratio of introduction of said block polymer into the hyaluronic acid and/or a pharmaceutically acceptable salt thereof is at least 8 mol % per the glucuronic acid in the hyaluronic acid and/or a pharmaceutically acceptable salt thereof.
- 9. The hyaluronic acid modification product according to any one of claims 1 to 8, wherein the weight average molecular weight of said hyaluronic acid and/or a pharmaceutically acceptable salt thereof is 1,500,000 daltons or less.
- 1 10. A pharmaceutical composition comprising the hyaluronic acid modification 2 product according to any one of claims 1 to 9 as its main component.
- 1 11. A pharmaceutical preparation for treating joint diseases, comprising the 2 hyaluronic acid modification product according to any one of claims 1 to 9 as its main 3 component.
- 1 12. The pharmaceutical preparation according to claim 11, wherein the joint 2 disease is loss of articular cartilage, rheumatoid arthritis, osteoarthritis or scapulo-humeral 3 periarthritis.
- 1 13. The pharmaceutical preparation according to claim 11 or 12, which is in the form of an injection.
- 1 14. A method of treating joint diseases, comprising administering to a patient an 2 effective amount of the hyaluronic acid modification product according to any one of claims 3 1 to 9.
- 1 15. The method according to claim 14, wherein the joint disease is loss of articular cartilage, rheumatoid arthritis, osteoarthritis or scapulo-humeral periarthritis.
- 1 16. An assisting or treating agent for surgical operation, comprising the 2 hyaluronic acid modification product according to any one of claims 1 to 9 as its main 3 component.

- 1 17. The assisting or treating agent according to claim 16, wherein the surgical operation is ophthalmic surgery or endoscopic mucosal resection.
- 1 18. A method of surgical operation, comprising applying to a target site a 2 necessary amount of the hyaluronic acid modification product according to any one of claims 3 1 to 9.
- 1 19. The method according to claim 18, wherein the surgical operation is ophthalmic surgery or endoscopic mucosal resection.
- 1 20. A tissue repairing agent comprising the hyaluronic acid modification product 2 according to any one of claims 1 to 9 as its main component.
- 1 21. The tissue repairing agent according to claim 20, which is used for repairing 2 damage to soft tissue, atrophic irregularity after surgical operation, damage caused by Mohs' 3 chemosurgical treatment, wrinkles or laceration scars in wrinkles.
  - 22. A tissue repairing method comprising applying to a target site a necessary amount of the hyaluronic acid modification product according to any one of claims 1 to 9.

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1 23. The surgical operation method according to claim 22, which comprises 2 repairing damage to soft tissue, atrophic irregularity after surgical operation, damage caused 3 by Mohs' chemosurgical treatment, wrinkles or laceration scars in wrinkles.